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NEWS.

DR. BÜSGEN has been called to a professorship in botany at the Forest Academy in Münden.

SCIENCE for January 17 contains an interesting exposition of the very unfortunate forestry situation in New York.

DR. SÁNDOR MÁGÓCSY-DIETZ has been called to a professorship in plant morphology and physiology in the Hungarian University at Budapest.

MR. W. W. BAILEY, of Brown University, has been elected president of the Rhode Island Horticultural Society for 1902. He is also botanist to this society.

THE MACMILLAN CO. announce that they are about to publish a *University text-book of botany* by Douglas H. Campbell of Leland Stanford University.

DR. D. T. MACDOUGAL has gone to Arizona and Sonora to get cactⁱ and other xerophytes for the new greenhouses in the New York Botanical Garden.

PROFESSOR JOHN MACFARLANE and a party of students from the University of Pennsylvania spent the Christmas holidays in botanical field work in Florida.

M. R. A. PHILIPPI has been elected director of L'Académie Internationale de Géographie Botanique for 1902. The current bulletin of this organization gives a list of members with their addresses.

THE COMMITTEE appointed by chairman Forbes to consider and report to the Naturalists of the Central States a plan for organization includes as its botanical members Drs. William Trelease and John M. Coulter.

THE SEVENTH annual meeting of the Vermont Botanical Club was held at Burlington, January 24 and 25. Dr. B. L. Robinson, of Harvard University, addressed the club on "Some recent advances in the classification of flowering plants."

BEGINNING with the January number, *The Forester* has been merged with *National Irrigation*. The combined journal is entitled *Forestry and Irrigation*. The new journal is to contain more pages than *The Forester* and is to be more fully illustrated.

RECENT NUMBERS of *Plant World* and the *Journal* of the New York Botanical Garden contain pleas for the preservation of our native plants,

and announce a gift of \$3,000 by the Misses Olivia and Caroline Phelps Stokes to further this desirable end.

IN THE *Journal* of the New York Botanical Garden for January there is an account of the research work in the Garden. The paleobotanical library and collections have been transferred from Columbia University to the Garden and Dr. Arthur Hollick appointed curator.

PROFESSOR W. F. GANONG has just brought to completion a new laboratory and greenhouse for physiology on the lines of those recommended in his recent laboratory manual. The house is very thoroughly built, and equipped to meet the needs of elementary instruction.

A NEW botanical periodical is announced from Ceylon, *The Annals of the Royal Botanic Gardens, Peradeniya*. This journal will deal with pure and applied botany, particularly in connection with the Ceylon gardens. Exchanges with scientific journals will be made with pleasure.

PROFESSOR JOHN GIFFORD, of the College of Forestry of Cornell University, and Professor W. W. Rowlee, of the botanical department of Cornell University, spent the Christmas vacation in Cuba and the Isle of Pines. They secured a fine set of photographs and considerable herbarium material.

IN *Nature* for January 2 there appears an interesting sketch of the life of Sir J. Henry Gilbert, who died on December 23, at the age of 84. The deceased was best known in connection with the Rothamsted experimental investigations, which have been of great value to the agricultural world.

THOMAS MEEHAN & SONS, the well-known nurserymen of Philadelphia, have established for their employees an evening school of botany with a systematic course of study, under the direct care of Mr. S. M. Meehan, a member of the firm, and Mr. Ernest Hemming, who has charge of the department of herbaceous plants.

THE ANNOUNCEMENT is made of a new geographic periodical, the *Journal of Geography*, to take the place of the *Journal of School Geography*, and the *Bulletin of the American Bureau of Geography*. The new magazine will have a special department of phytogeography in charge of Dr. Henry C. Cowles, of the University of Chicago. Considerable attention also is to be given to economic botany.

FASCICLE I of the *Ohio fungi exsiccati*, containing sixteen numbers, has recently been issued by Dr. W. A. Kellerman of the State University at Columbus. In addition to the usual data, the label contains a reprint of the original description, with citation of the place of publication. This is intended to be helpful especially to students whose library facilities are deficient. The specimens are pronounced of fine quality.

AT THE holiday meeting of the Society for Plant Morphology and Physiology, the following officers were elected: President, Volney M. Spalding,

University of Michigan; Vice-President, Byron D. Halsted, Rutgers College; Secretary-Treasurer, W. F. Ganong, Smith College. The names of Professors C. E. Bessey and W. F. Ganong were suggested to the American members of the Association Internationale des Botanistes for election as members of the general committee when this election is held.

THE COLONIAL MUSEUM of Harlem proposes to commemorate, on June 15, 1902, the 200th anniversary of the death of Georg Eberhard Rumphius, who studied the botany of the island of Amboina, one of the Moluccas, for many years. Arrangements have been made to issue a medal which shall bear on one side a picture of Rumphius, and on the other a view of Amboina. It will be 50^{mm} in diameter, and can be obtained in silver for 25 florins or in bronze for 5 florins. It is also proposed to issue a memorial volume.

DR. EDWARD PALMER, the veteran explorer of Mexico, left Washington January 15 for a collecting expedition in the province of Santiago, Cuba. He will obtain the usual number of sets, which will be offered for sale upon his return. Dr. Palmer will be accompanied by Mr. Charles Louis Pollard and Mr. William Palmer, both of the United States National Museum, who will collect plants, mammals, birds, and reptiles for that institution. As the party will pay especial attention to the unexplored mountains in the southern portion of the province it is expected that the scientific results will be considerable.

AN INDEX to volumes I-X of the *Annals of Botany* (1887-96), prepared by T. G. Hill under the direction of the editors, is announced as ready. In preparing it the aim has been to include, in addition to titles and authors' names, the principal subjects dealt with in each paper, including names of all new species, all species which are described, their synonyms so far as they occur in the *Annals*, and all species as to which original observations are recorded. On the other hand, species which are not new, and which are merely mentioned or enumerated without any description or observation being recorded, are omitted. Those who have lamented the absence of an index will welcome this. It will doubtless prove useful, but is liable to be too limited. We have been hoping that the editors would supply a complete index with each volume.

TOM VON POST and OTTO KUNTZE propose the publication of a *Lexicon Generum Phanerogamarum* in which they intend to supply (1) information as to the legal and scientifically correct nomenclature of genera; (2) nomenclatural revision of sub-genera, families, sub-families, and higher groups according to the international code; (3) correct citation of authors since 1737; (4) correct modes of writing names and citations; (5) the most complete list of all single names of genera, both valid names and synonyms; (6) in the second part a numbered systematic list of valid genera which may serve for the arrangement of herbaria; (7) with each valid genus name the number of

species, their geographic distribution, and the sub-genera; (8) the names of fossil genera corrected according to the law of priority; (9) as an appendix, a list of names of cryptogams heretofore altered in accordance with the law of priority.

UNDER the pressure of increased demands upon its space the *Centralblatt für Bakteriologie, Parasitenkunde, und Infektionskrankheiten* has been enlarged and is issued in somewhat altered form. Part I, containing original contributions, will be published in numbers of varying sizes, to avoid dividing a paper, a volume being composed of fifty signatures. The abstracts will be issued in separate weekly numbers of about two signatures. Part II, which embraces chemical and technological bacteriology, instead of being issued fortnightly as heretofore, will also be published weekly in numbers containing two signatures, the form being unchanged. Particular importance hereafter will be attached to the summary reviews of the state of knowledge regarding certain special subjects. Reports from scientific societies and communications from bacteriological institutes will be a feature of the proposed improvement.

THE FIRST number of the *Botanisches Centralblatt* under the new control has been received. M. Bornet discusses the aim of the Association Internationale des Botanistes; the secretary and editor-in-chief, Dr. J. P. Lotsy, gives the history of the new association, with lists of the members and of the special editors. The journal appears in new typographical dress, which notably improves it. With the vigorous editorial boards in various countries, the reviews promise to be more complete and satisfactory than ever before. The *Centralblatt* is commended to the cordial support of American botanists, who are asked to cooperate with the American editorial board by sending promptly to the proper member copies of their publications. A list of the American editors, with the special field of each, was published in our January number. In the list of members of the Association Internationale des Botanistes the United States already leads other countries. Membership in this association, which costs 15 florins (\$6.25) entitles one to receive the *Centralblatt* free. To members of the association only, a complete set of the *Centralblatt* is offered at the extremely low price of \$36, instead of the original price of \$108; certain odd volumes can also be supplied at 50 cents per volume.

FROM ADVANCE SHEETS of the annual report (for 1901) of the Missouri Botanical Garden it appears that although the extreme heat and prolonged drouth of the summer made gardening operations extremely difficult, the losses in the garden were comparatively small; however, further deaths among the trees are to be expected, unless the precipitation during the winter and spring far exceeds the average. 773 new plants were brought into cultivation, making a total of 9,967. 2,948 plants were distributed to hospitals and

schools. An active exchange has been maintained with other botanical establishments. 91,262 persons visited the garden, which was approximately 20,000 more than in any previous year. On each of the only two Sunday afternoons during which the garden is open about 20,000 persons visited it, the visitors on these two days amounting to 45 per cent. of the total number for the year. 16,256 sheets of specimens were added to the herbarium; nearly 7,000 by gift or exchange, 5,544 by purchase. The number of specimens now in the herbarium is estimated at about 365,000. The additions to the library number 929 books, and 254 pamphlets, making a total of 36,000. 1,184 serials are received at the library, of which 101 are purchased and the remainder, issued by 643 institutions, are presented or received in exchange. The gross receipts of the garden were \$125,690.73, of which \$44,409 were spent for maintenance and improvement of the garden itself.

THE *Comptes Rendus* for December 16 contains the annual announcement of prizes. The strictly botanical prizes have been awarded as follows: The Prix Bordin to Matruchot and Molliard for their work on the action of freezing and the lack of oxygen on cells, and for physiological work on *Stichococcus*; the Prix Desmazières to Hirn for his "Monographie et Iconographie des Oedogoniacées;" the Prix Montagne to Mazé for his work on the organism of legume tubercles; the Prix de La Fons-Mélicocq to the late Ferdinand Debray for his work on the algae of northern France; the Prix Thore to Patouillard for his taxonomic work on Hymenomycetes. The Prix Gay in physical geography was divided between Franchet and Saint-Yves for their work on the distribution of alpine plants. The Prix Montyon in physiology was awarded to Mirande for his anatomical and physiological studies on the Cuscutaceae.

Among the prizes and subjects for the coming year are the following: the Grand Prix des Sciences Physique for the best work on the formation and development of the egg in Ascomycetes and Basidiomycetes; the Prix Bordin for the best general treatment of double fertilization in the entire group of angiosperms; the Prix Desmazières, open to everybody, for the best treatise on cryptogams; the Prix Montagne for researches on the lower cryptogams.